

SUPPLY OF POTASH NEAR SALT LAKE

LAKE MUDS OF WESTERN UTAH
HOLD OUT GREAT PROMISE
TO COUNTRY

(By Associated Press.)

WASHINGTON, D. C. May 4.—Potash in surprisingly large proportions is present in the brines and muds of the Salduro Marsh, a sink in the Salt Lake Desert, about 60 miles west of the southwest edge of Great Salt Lake. From the clays underlying the salt body which covers the marsh the U. S. Geological Survey collected samples at depths of 8 to 12 feet, in which the dissolved salts were found to contain from 2 to about 3 1/2 per cent of potash, and 2 1/2 per cent was found in the soluble salts at a depth of about 4 feet. Of the dissolved salts contained in the brines occupying the spaces between the salt crystals in the crust overlying these muds 3 to 4 per cent was found to be potash.

Singularly enough the salt crust left at the surface of the desert through the evaporation of the brines contains little more than a trace of potash, most of the potash being confined to the brines and to the muds underlying the salt crust. The successful extraction of this potash is a fascinating as well as most pressing problem for the chemical engineer. According to analyses made by the survey the brines and muds from the Salduro Marsh contain considerable magnesium chloride, as well as chlorides of potassium and sodium, and so are somewhat similar in composition to the deposits from which potash is manufactured in Germany. Therefore it appears that success in methods for manufacturing potash at the Salduro Marsh should prove comparatively easy. While no extensive exploratory work has been done by the survey to show the area of the deposit it is believed that the amount of potash present in the region, if it can be extracted with commercial success, is sufficient to provide a valuable source of supply to the country.

MILITARY TRAINING

President D. G. Scofield, of the Standard Oil company (California), announces that this company intends permitting a reasonable number of its employees to attend the regular army instruction camp at Monterey, between July 5th and August 10th, and will grant such employees four weeks' leave of absence for this purpose, with prejudice to their advancement and without loss of salary.

"That announcement and the one made a couple of years ago, when the company stated that any employee who responded to a call to arms in the state or national military or naval service at a time of war or other emergency would not jeopardize his position with the company, are declarations of policy bearing, not on 'preparedness,' says President Scofield,

TESTING UNDERFLOW OF ELKO COUNTY

FEDERAL AGENT BEGINS INVESTIGATING THE UNDERGROUND WATER SUPPLY

(By Associated Press.)

With the arrival last week in Elko of F. L. Bixby, a federal agent assigned to work with the university on co-operative irrigation and underground water investigation, the active work of developing the hidden waters of this country has begun, and it is the plan of those in charge to make a survey of the entire country, beginning with the Lamoille valley, and where underground water is found to install a pump and test the flow.

Mr. Bixby, who is in charge as the co-operative irrigation engineer, is assisted in Elko county by H. T. McQuiston and Jos. Allen, both graduates of the university, and by R. A. Allen, who has been temporarily in charge. Seymour Case, from the state engineer's office, is also here to help in the starting of the work, and for the past few days they have been over a part of Lamoille, South Fork and Humboldt valleys.

Yesterday Dean Scrugham was here from the university to see how the work was going, and expressed the opinion that under the direction of Mr. Bixby much good will be accomplished in determining the localities where a supply of underground waters existed, and believed that after it had been demonstrated that a sufficient supply of water existed which could be profitably pumped, the problem of reclaiming our vast sagebrush area would be solved. — Elko Free Press.

AUDIENCE PLEASED

Jules Smith of the Butler theater made quite a hit yesterday in putting on the act of Taylor and Howard, whose songs and dialogue convulsed the audience with laughter. They will be seen and heard this evening also.

"but on the relations of employer and employee.

"The company wants to impress upon every employee that he is a free agent when the question of service to his country is concerned, entirely free to act as his sense of patriotism may direct, and in such contingency has the unqualified approval of his employers."

HEALTH OF SOLDIERS IMPROVES WITH WAR

TROOPS SUFFER LESS FROM EPIDEMICS THAN THE YEAR BEFORE HOSTILITIES

(By Associated Press.)

PARIS, May 4.—Epidemics generally occurred with less frequency and less virulence in France during the year 1915 than before the war, particularly in the army.

Compared with army statistics of 1911, a year particularly favorable to the health of troops, the differences are as follows:

Men Affected per 1000	1911	1915
Measles	1.26	0.11
Scarlet Fever	1.29	0.12
Mumps	2.18	0.73
Diphtheria	0.35	0.39
Cerebro Spinal Meningitis	0.04	0.09
Typhoid Fever	1.88	4.40
Dysentery	0.11	0.18
Deaths from contagious diseases above	0.27	0.15
Deaths from typhoid fever in hospitals, per 100	12.00	2.55

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TAKEN OUT TO HUNT SNIPES BUT FAILS TO FIND THEM

Prof. Samuels who has been employed in various ways around camp among running a dancing school, has been ordered deported as one of the undesirable class. The boys entertained him recently by taking him out to Lone Mountain to hunt snipe. They left him there holding the sack and a candle waiting for the birds to come. After growing tired Samuels walked back home. Tuesday night the boys invited him to try snipe hunting again. They explained the previous failure by saying there was no water around, but there would be no mistake about hunting at Rye Patch. Samuels fell for the trick and remained at the Patch until he grew hungry and started walking back when an auto came along and brought him home. Samuels has contracted bills all over town.

TEMPERATURE REPORT

Highest temperature yesterday, 75; a year ago, 57.
Lowest temperature last night, 39; a year ago, 35.

If you want the telegraph and local news—try the Bonanza.

NOTICE OF FORFEITURE

To Italo S. Bulaleh, your heirs, executors and assigns: You are hereby notified that the undersigned have expended during the years 1914 and 1915 the annual amount of money, in labor and improvements necessary to comply with the annual assessment law upon the Keystone and Keystone No. 1 and Keystone No. 2 mining claims situated in the Fairplay Mining District, at Atwood, Nye County, Nevada. Said claims are recorded in Book 59, pages 427 and 428 at the office of the Recorder of Nye County, at Tonopah, Nevada. Said expenditures were made for the purpose of holding possession right and title to said mining claims under the provisions of Section 2324 of the Revised Statutes of the United States. If you fail to contribute your proportion of such expenditure as a co-owner in and to the above mentioned mining claims they will become the property of the undersigned, pursuant to the provisions of said statutes.

A. B. KENTNER.
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